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FIG. 1

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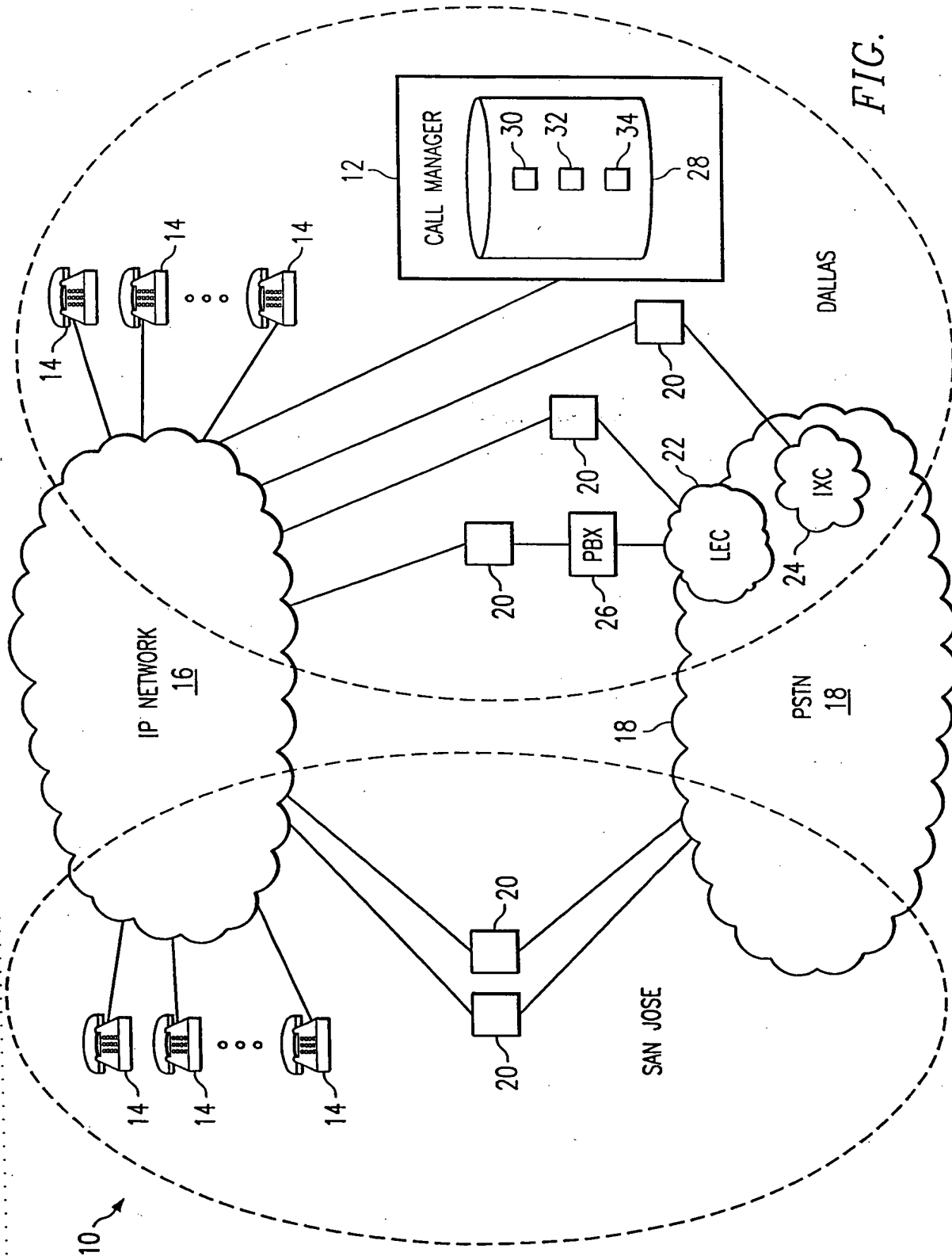2/10

FIG. 2

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Cisco CallManager 3.1 Administration–External Route Plan Wizard–Routing Options–Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Size Print Edit Discuss Messenger

Address http://dada/CCMAdmin_Bravo/wizards/routePlan/rpwrouteoption.asp?inputField=showData

System Route Plan Service Feature Device User Application Help

Cisco Systems

CallManager Administration
For Cisco IP Telephony Solutions

External Route Plan Wizard

Routing Options

Which of the following routing options would you like to enable?

☐ Local call fallback: if a local gateway is unavailable for a local call, route the call as a long distance call through a gateway in another location

☐ Toll bypass fallback: if no toll bypass gateway is available, route the call through a local gateway as a long distance call

☐ Long distance call fallback: if a local gateway is unavailable for a long distance call, try to route through a gateway in another location

☐ International call fallback: if a local gateway is unavailable for a international call, try to route through a gateway in another location

☐ Equal access suppression: if a user dials a long distance carrier code (10-10-XXX dialing), automatically suppress the carrier code in the outbound dialing string

Access code for toll bypass and fallback calls:

(If the access code is entered for toll bypass and fallback calls, that access code is used in the prefix digits entry for route groups associated with those call types.)

Access code for extensions served by a connected PBX:

(If the access code is entered for the extensions served by a connected PBX, that access code, followed by a dot (.), is appended to the route patterns associated with these extensions.)

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FIG. 3

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Cisco CallManager 3.1 Administration-External Route Plan Wizard-Tenant Information-Microsoft Internet Explorer

File   Edit   View   Favorites   Tools   Help

Back   Forward   Stop   Refresh   Home   Search   Favorites   History   Mail   Size   Print   Edit   Discuss   Messenger

Address   http://dada/CCMAdmin_Bravo/wizards/routePlan/rpwtenant.asp?inputField=showData

System   Route Plan   Service   Feature   Device   User   Application   Help

Cisco Systems

Cisco CallManager Administration
For Cisco IP Telephony Solutions

External Route Plan Wizard

Tenant Information

Enter the name of the tenant. The tenant can be in one or more locations.

Tenant Name*   [Cisco]

Number of physical locations in the entire system*   [2]

Next   Cancel

*indicates required item

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FIG. 4

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http://dadaCCMAdmin_Bravo/wizards/routePlan/rpwlocation.asp?inputField=showData—Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Size Print Edit Discuss Messenger

Address http://dada/CCMAdmin_Bravo/wizards/routePlan/rpwlocation.asp?inputField=showData

System Route Plan Service Feature Device User Application Help

Cisco Systems

CiscoCallManager Administration
For Cisco_IP Telephony Solutions

External Route Plan Wizard
Location Entry

Enter the information related to each physical location. Use ';' to separate the local
area codes used for the location. The dialing scheme is for North American Numbering
Plan (NANP) only.
Note: Each location name must be unique. If the location name is currently being
used for an existing route plan, please choose another name.

Location Entry 1:

Location name*   Dallas

Local Area Code(s)*   972,214
(Use ';' to separate the
multiple entries: 972,214)

What is the telephone number   972 813 5000
of the main switchboard in
this location?

How many digits does it take   ⦿ 10 digits
to dial a local call in this   ○ 7 digits
location?   ○ Metro (10 and 7 digits)

Next   Cancel

Location Entry 2:

Location name*   SanJose

Local Area Code(s)*   408
(Use ';' to separate the
multiple entries: 972,214)

What is the telephone number
of the main switchboard in
this location?

How many digits does it take   ⦿ 10 digits
to dial a local call in this   ○ 7 digits
location?   ○ Metro (10 and 7 digits)

*indicates required item

Next   Cancel

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FIG. 5

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http://dadaCCMAdmin_Bravo/wizards/routePlan/rpwgatewayconfirm.asp?inputField=showData—Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorites History Mail Size Print Edit Discuss Messenger

Address http://dada/CCMAdmin_Bravo/wizards/routePlan/rpwgatewayconfirm.asp?inputField=showData

System Route Plan Service Feature Device User Application Help

Cisco CallManager Administration
For Cisco IP Telephony Solutions

Cisco Systems

External Route Plan Wizard

Gateway List

The following gateway(s) are defined in the system:

Select	Gateway	Model
☐	@S1/DS1-0@New.VG200.gateway	MGCP Trunk
☐	@S1/DS1-0@VG200.test3	MGCP Trunk
☐	AALN/SO/SU0/0@Cisco.new.com	MGCP Station
☐	AALN/SO/SU0/0@gsahwwe	MGCP Station
☐	AALN/SO/SU0/0@mgcp.device.com	MGCP Station
☐	AALN/SO/SU0/0@new.mgcptest.com	MGCP Station
☐	AALN/SO/SU0/0@tao_test	MGCP Station
☐	AALN/SO/SU0/0@taojir	MGCP Trunk
☐	AALN/SO/SU0/0@test-04	MGCP Station
☐	AALN/SO/SU0/0@test-test	MGCP Station
☐	AALN/SO/SU0/0@test.for.endpoint	MGCP Station
☐	AALN/SO/SU0/1@mgcp.device.com	MGCP Station

FIG. 6

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http://dadaCCMAdmin_Bravo/wizards/routePlan/rpwgateway.asp?inputField=showData-Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back | Forward | Stop | Refresh | Home | Search | Favorites | History | Mail | Print | Size | Edit | Discuss | Messenger

Address http://dada/CCMAdmin_Bravo/wizards/routePlan/rpwgateway.asp?inputField=showData

System Route Plan Service Feature Device User Application Help

Cisco CallManager Administration
For Cisco IP Telephony Solutions

Cisco Systems

External Route Plan Wizard
Gateway Information
Gateway Name: @S1/DS1-0@New.VG200.gateway   Model: MGCP Trunk
Description: New T1 gateway
Enter the information about this gateway (1 out of 1):

Location of the gateway*   [Dallas ▼]

Type of carrier to which the gateway is connected* [PBX (private branch exchange) ▼]

When a call through this gateway is presented to the connected switch, what caller ID would you like to present?*
○ Use the attendant number of the gateway's location
◉ Use the full phone number of the calling device
○ (PBX only) Use the directory number of the calling device

For gateway connected to PBX (private branch exchange):

☑ Discard dialed access code, if any, before sending a call to the connected PBX

What extensions are served by this PBX? [   ]
(Use ',' to separate multiple entries: 8XXX, 5XXX. Earlier, you entered '9' as the access code for extensions served by the connected PBX. If the Discard dialed access code option is checked, this access code is discarded before the extension number is sent to the connected PBX. If the Discard dialed access code option is not checked, the access code is sent to the connected PBX along with the extension number.)
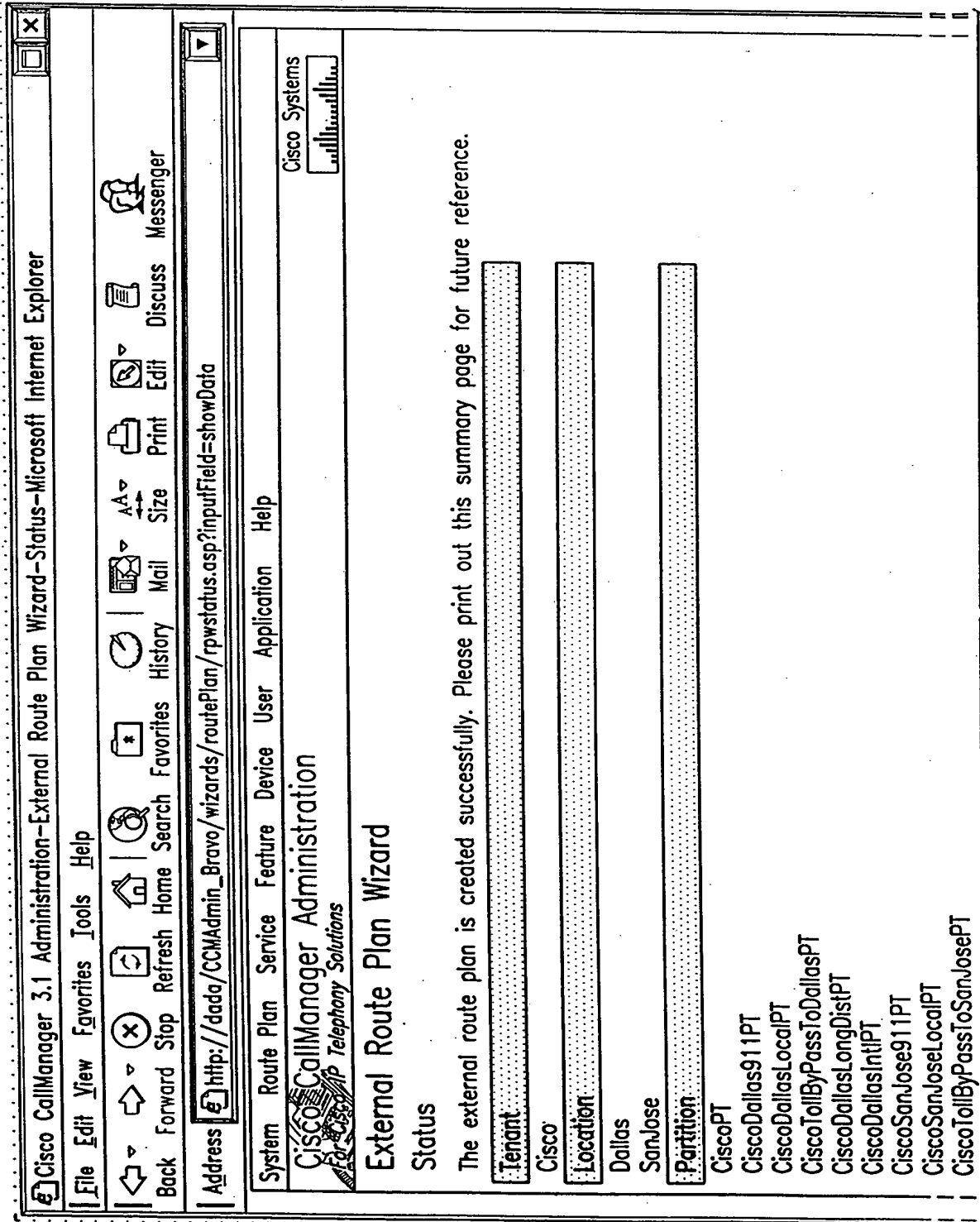
*indicates required item

[Next]   [Cancel]

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FIG. 7A

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Cisco CallManager 3.1 Administration–External Route Plan Wizard–Status–Microsoft Internet Explorer

File   Edit   View   Favorites   Tools   Help

Back   Forward   Stop   Refresh   Home   Search   Favorites   History   Mail   Size   Print   Edit   Discuss   Messenger

Address http://dada/CCMAdmin_Bravo/wizards/routePlan/rpwstatus.asp?inputField=showData

System   Route Plan   Service   Feature   Device   User   Application   Help

Cisco CallManager Administration
For Cisco IP Telephony Solutions

Cisco Systems

External Route Plan Wizard

Status

The external route plan is created successfully. Please print out this summary page for future reference.

Tenant

Cisco

Location

Dallas

SanJose

Partition

CiscoPT
CiscoDallas911PT
CiscoDallasLocalPT
CiscoTollByPassToDallasPT
CiscoDallasLongDistPT
CiscoDallasIntlPT
CiscoSanJose911PT
CiscoSanJoseLocalPT
CiscoTollByPassToSanJosePT

TO FIG. 7B

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FIG. 7B

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FROM FIG. 7A

CiscoSanJoseLongDistPT
CiscoSanJoseIntlPT

Calling Search Space	Partition (by Order)
CiscoDallas9110nlyCS	CiscoDallas911PT
CiscoDallasEnterpriseCS	CiscoDallas911PT CiscoPT
CiscoDallasLocalCS	CiscoDallas911PT CiscoPT CiscoDallasLocalPT
CiscoDallasTollByPassCS	CiscoDallas911PT CiscoPT CiscoDallasLocalPT CiscoTollByPassToSanJosePT
CiscoDallasLongDistCS	CiscoDallas911PT CiscoPT CiscoDallasLocalPT CiscoTollByPassToSanJosePT CiscoDallasLongDistPT
CiscoDallasIntlCS	CiscoDallas911PT CiscoPT CiscoDallasLocalPT CiscoTollByPassToSanJosePT CiscoDallasLongDistPT CiscoDallasIntlPT
CiscoSanJose9110nlyCS	CiscoSanJose911PT
CiscoSanJoseEnterpriseCS	CiscoSanJose911PT CiscoPT
CiscoSanJoseLocalCS	CiscoSanJose911PT

TO FIG. 7C

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FIG. 7C

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FROM FIG. 7B

	CiscoPT
	CiscoSanJoseLocalPT
CiscoSanJoseTollByPassCS	CiscoSanJose911PT
	CiscoPT
	CiscoSanJoseLocalPT
	CiscoTollByPassToDallasPT
CiscoSanJoseLongDistCS	CiscoSanJose911PT
	CiscoPT
	CiscoSanJoseLocalPT
	CiscoTollByPassToDallasPT
	CiscoSanJoseLongDistPT
CiscoSanJoseIntlCS	CiscoSanJose911PT
	CiscoPT
	CiscoSanJoseLocalPT
	CiscoTollByPassToDallasPT
	CiscoSanJoseLongDistPT
	CiscoSanJoseIntlPT

Route List:	Route Filter:
CiscoDallas911RL	9.@ where (SERVICE == 911)
CiscoDallasLocalRL	9.@ where (LOCAL-AREA-CODE == 972) OR (LOCAL-AREA-CODE == 214)
CiscoTollByPassToDallasRL	9.@ where (AREA-CODE == 972) OR (AREA-CODE == 214)
CiscoDallasLongDistRL	9.@ where (AREA-CODE EXISTS)
CiscoDallasIntlRL	9.@ where (INTERNATIONAL-ACCESS EXISTS)

TO FIG. 7D

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FIG. 7D

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FROM FIG. 7C

CiscoSanJose911RL	9.@ where (SERVICE == 911)
CiscoSanJoseLocalRL	9.@ where (LOCAL-AREA-CODE == 408)
CiscoTollByPassToSanJoseRL	9.@ where (AREA-CODE == 408)
CiscoSanJoseLongDistRL	9.@ where (AREA-CODE EXISTS)
CiscoSanJoseIntlRL	9. @ where (INTERNATIONAL-ACCESS EXISTS)

| Route Group | Gateway belonging to this routegroup |
| CiscoDallasMT1 | @S1/DS1-0@New.VG200.gateway |

Route List	Route Group Member
CiscoDallas911RL	CiscoDallasMT1
CiscoDallasLocalRL	CiscoDallasMT1
CiscoTollByPassToDallasRL	CiscoDallasMT1
CiscoDallasLongDistRL	CiscoDallasMT1
CiscoDallasIntlRL	CiscoDallasMT1

Next